

FME Batch 3

9-Jun-22

	Action Number	Action Name	County	Batch Page Number	TC Rec (Y/N)	Tech Committee Rec Date	RFPG Rec (Y/N)	RFPG Rec Date
				0				
Batch 3A	10100009	Pecan Shores Subdivision	Bastrop	1	Yes	5/25/2022		
	10100010	Hidden Shores Subdivision	Bastrop	2	Yes	5/25/2022		
	10100011	Waters Edge Terrace Subdivision	Bastrop	3	Yes	5/25/2022		
	10100026	Smithville Recreation Center Expansion	Bastrop	4	Yes	5/25/2022		
	101000155	Taylor Lane Drainage Improvements	Bastrop	5	Yes	5/25/2022		
	101000156	Stormwater Detention at Morris Park	Bastrop	6	Yes	5/25/2022		
	101000105	Update and Maintain Emergency Management Plan	Blanco	7	Yes	5/25/2022		
	101000138	Dam Emergency Action Plan	Burnet	8	Yes	5/25/2022		
	101000165	Whitman Branch Regional Detention Pond	Burnet	9	Yes	5/25/2022		
	101000166	Ave J Bridge Replacement	Burnet	10	Yes	5/25/2022		
	101000167	Broadway Street at Whitman Branch Low Water Crossing	Burnet	11	Yes	5/25/2022		
	101000168	1431/281 Detention	Burnet	12	Yes	5/25/2022		
Batch 3B	101000169	Backbone Branch Detention Pond	Burnet	13	Yes	5/25/2022		
	101000170	Marble Falls Creek Walk	Burnet	14	Yes	5/25/2022		
	101000172	2nd Street at Backbone Creek Low Water Crossing	Burnet	15	Yes	5/25/2022		
	101000173	Ave L at Whitman Creek Low Water Crossing	Burnet	16	Yes	5/25/2022		
	101000174	Broadway at Backbone Creek Low Water Crossing	Burnet	17	Yes	5/25/2022		
	101000119	Frisch Auf Buyout	Fayette	18	Yes	5/25/2022		
	101000120	Flood Proof Wastewater Treatment Plants	Fayette	19	Yes	5/25/2022		
	101000178	Low Water Crossing's at 4 Locations	Gillespie	20	Yes	5/25/2022		
	101000061	Prepare Evacuation Plan	Hays	21	Yes	5/25/2022		
	101000126	Flood Proofing Repetitive Loss Structure	Hays	22	Yes	5/25/2022		
	101000153	City of Buda Garlic Creek Culvert	Hays	23	Yes	5/25/2022		
	101000064	Land Purchase for New EMS/Fire/Police Building	Jackson	24	Yes	5/25/2022		
Batch 3C	101000127	Wastewater Treatment Plant Floodproofing	Jackson	25	Yes	5/25/2022		
	101000128	City Hall Hardening and Safe Room	Jackson	26	Yes	5/25/2022		
	101000065	Jackson County Hospital District	Jackson	27	Yes	5/25/2022		
	101000068	Lake Junction Dredging	Kimble	28	Yes	5/25/2022		
	101000072	Prepare Evacuation Plan	Llano	29	Yes	5/25/2022		
	101000130	Relocate Fire Department Building	Llano	30	Yes	5/25/2022		
	101000175	102 Beach Drive Low Water Crossing	Llano	31	Yes	5/25/2022		
	101000176	124 Sunrise Drive Low Water Crossing	Llano	32	Yes	5/25/2022		
	101000074	Construct Emergency Operation Center	Matagorda	33	Yes	5/25/2022		
	101000131	Police Station Relocation and Safe Room	Matagorda	34	Yes	5/25/2022		
	101000181	Harris Hallow Neighborhood Flooding	Menard	35	Yes	5/25/2022		
	101000080	Community Evacuation Plan	Travis	36	Yes	5/25/2022		
Batch 3D	101000083	Community Evacuation Plan	Travis	37	Yes	5/25/2022		
	101000085	Create Emergency Evacuation Plan	Travis	38	Yes	5/25/2022		
	101000088	Review and Update Floodplain Management Plan	Travis	39	Yes	5/25/2022		
	101000089	Develop an Emergency Operations and Evacuation Plan	Travis	40	Yes	5/25/2022		
	101000164	East Reed Park Road Flooding	Travis	41	Yes	5/25/2022		
	101000091	Harden City Buildings, Critical Infrastructure	Victoria	42	Yes	5/25/2022		
	101000095	Identify and Buyout Repetitive Loss Properties	Victoria	43	Yes	5/25/2022		
	101000098	Tres Palacios, Blue Creek, East Mustang Creek	Victoria	44	Yes	5/25/2022		
	101000096	Harden County Buildings, Critical Infrastructure, and Government	Victoria	45	Yes	5/25/2022		
101000099	Use Digital Maps of All Hazards and Educate Residents	Wharton	46	Yes	5/25/2022			

# Flood Management Evaluation (FME) STUDY

## Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

Title **Backbone Branch Detention Pond** ID# **101000169**  
Sponsor (name of entity) **Marble Falls (Municipality)** Commitment  Yes  No  
Technical committee recommend  Yes  No RFPG recommend  Yes  No

REGION 10

### Study Type

Emergency preparedness  Floodplain modeling, mapping and risk assessment  Feasibility study  Preliminary project engineering  
 Other

### Problem Area

City **Marble Falls** County **Burnet**  
Watershed **Backbone Creek**  
name(s)  
Tributary(ies) **Unnamed Tributary**  
HUC# **12090201,12090205** Stream miles (est.) **TBD**  
Drainage area: square miles, est. **30.04** or acreage, est. **19,228**  
Social vulnerability index **0.19**  
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)  
Other **Regional Detention**



### Flood Risk Description

The area of concern along Backbone Creek has insufficient channel capacity and undersized bridge/culvert crossings. The area has experienced excessive flow depth and velocity, has structures at risk, historical flood damages, and channel erosion. The existing flood risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk **150** Structures at risk **172** Critical facilities at risk **0**  
Farm/Ranch land impacted (acres) **1,646** Roadway(s) impacted (miles) **4.11**

### Scope of Study

Conduct a study to evaluate the area. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

### Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

### Estimated Study Cost

Cost **\$150,000** Potential funding source(s) **TBD**

# Flood Management Evaluation (FME) STUDY

## Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

REGION 10

Title **Marble Falls Creek Walk** ID# **101000170**  
Sponsor (name of entity) **Marble Falls (Municipality)** Commitment  Yes  No  
Technical committee recommend  Yes  No RFPG recommend  Yes  No

### Study Type

Emergency preparedness  Floodplain modeling, mapping and risk assessment  Feasibility study  Preliminary project engineering  
 Other

### Problem Area

City **Marble Falls** County **Burnet**  
Watershed **Hamilton Creek - Lake Travis**  
name(s)  
Tributary(ies) **Whitman Branch**  
HUC# **12090205** Stream miles (est.) **TBD**  
Drainage area: square miles, est. **5.80** or acreage, est. **3,713**  
Social vulnerability index **0.19**  
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)  
Other **Roadway/Crossing Improvements & Channel Improvements**



### Flood Risk Description

The existing pedestrian access ways/trails overtop. The proposed improvements include upgrading the low water crossing, and channel modifications. The existing flood risk is not well defined, and the risk indicators are based on the study area. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk **820** Structures at risk **80** Critical facilities at risk **0**  
Farm/Ranch land impacted (acres) **166** Roadway(s) impacted (miles) **2.04**

### Scope of Study

Conduct a study to evaluate the area. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

### Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

### Estimated Study Cost

Cost **\$100,000** Potential funding source(s) **TBD**

# Flood Management Evaluation (FME) STUDY

## Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

REGION 10

Title **2nd Street at Backbone Creek Low Water Crossing** ID# **101000172**  
Sponsor (name of entity) **Marble Falls (Municipality)** Commitment  Yes  No  
Technical committee recommend  Yes  No RFPG recommend  Yes  No

### Study Type

Emergency preparedness  Floodplain modeling, mapping and risk assessment  Feasibility study  Preliminary project engineering  
 Other

### Problem Area

City **Marble Falls** County **Burnet**  
Watershed **Backbone Creek**  
name(s)  
Tributary(ies) **Whitman Branch**  
HUC# **12090205** Stream miles (est.) **TBD**  
Drainage area: square miles, est. **2.28** or acreage, est. **1,458**  
Social vulnerability index **0.19**  
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)  
Other **Roadway/Crossing Improvements & Channel Improvements**



### Flood Risk Description

The existing crossing is undersized and overtops. The crossing floods during smaller rainfall events and is an emergency vehicle response route. The existing crossing consists of four (4) reinforced concrete pipes. The proposed improvements include upsizing the crossing. The existing road is a 2-lane road with an average daily traffic count of 3,263. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will include detailed assessments of existing flood risk and potential flood risk reduction to be used in evaluating projects for future funding cycles.

Population at risk **0** Structures at risk **0** Critical facilities at risk **0**  
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (miles) **0.25**

### Scope of Study

Conduct a study to evaluate upsizing the existing culvert crossing. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

### Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

### Estimated Study Cost

Cost **\$100,000** Potential funding source(s) **TBD**



# Flood Management Evaluation (FME) STUDY

## Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

REGION 10

Title **Ave L at Whitman Creek Low Water Crossing** ID# **101000173**  
Sponsor (name of entity) **Marble Falls (Municipality)** Commitment  Yes  No  
Technical committee recommend  Yes  No RFPG recommend  Yes  No

### Study Type

Emergency preparedness  Floodplain modeling, mapping and risk assessment  Feasibility study  Preliminary project engineering  
 Other

### Problem Area

City **Marble Falls** County **Burnet**  
Watershed **Backbone Creek**  
name(s)  
Tributary(ies) **Whitman Branch**  
HUC# **12090205** Stream miles (est.) **TBD**  
Drainage area: square miles, est. **2.33** or acreage, est. **1,490**  
Social vulnerability index **0.19**  
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)  
Other **Roadway/Crossing Improvements & Channel Improvements**



### Flood Risk Description

The existing bridge overtops. The proposed improvements include improvements/replacement of the existing bridge. The existing bridge is a 2-lane road with an average daily traffic count of 668. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will include detailed assessments of existing flood risk and potential flood risk reduction to be used in evaluating projects for future funding cycles.

Population at risk **0** Structures at risk **0** Critical facilities at risk **0**  
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (miles) **0.20**

### Scope of Study

Conduct a study to evaluate upsizing the existing low water crossing. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

### Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

### Estimated Study Cost

Cost **\$100,000** Potential funding source(s) **TBD**

# Flood Management Evaluation (FME) STUDY

## Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

Title **Broadway at Backbone Creek Low Water Crossing** ID# **101000174**  
Sponsor (name of entity) **Marble Falls (Municipality)** Commitment  Yes  No  
Technical committee recommend  Yes  No RFPG recommend  Yes  No

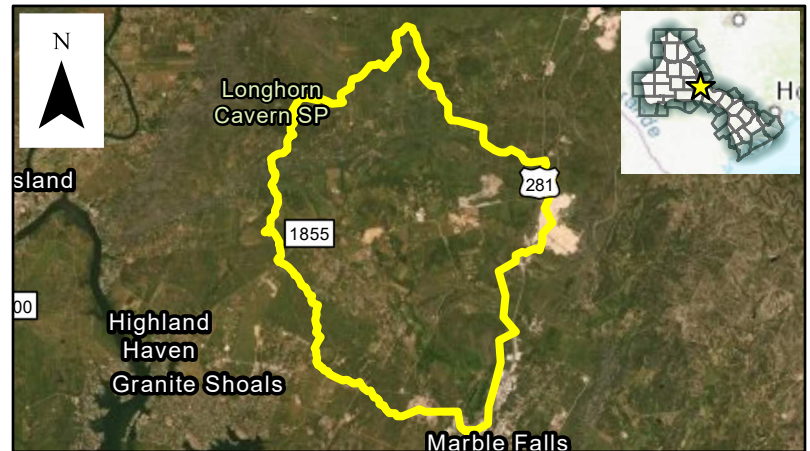
REGION 10

### Study Type

Emergency preparedness  Floodplain modeling, mapping and risk assessment  Feasibility study  Preliminary project engineering  
 Other

### Problem Area

City **Marble Falls** County **Burnet**  
Watershed **Backbone Creek**  
name(s)  
Tributary(ies) **Unnamed Tributary**  
HUC# **12090201,12090205** Stream miles (est.) **TBD**  
Drainage area: square miles, est. **31.97** or acreage, est. **20,460**  
Social vulnerability index **0.19**  
(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)  
Other **Roadway/Crossing Improvements & Channel Improvements**



### Flood Risk Description

The existing culvert crossing is undersized and overtops. The proposed improvements include enlarging the existing culverts. The existing road is a 2-lane road with an average daily traffic count of 2,220. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will include detailed assessments of existing flood risk and potential flood risk reduction to be used in evaluating projects for future funding cycles.

Population at risk **0** Structures at risk **0** Critical facilities at risk **0**  
Farm/Ranch land impacted (acres) **0** Roadway(s) impacted (miles) **0.22**

### Scope of Study

Conduct a study to evaluate upsizing the existing culvert crossing. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

### Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

### Estimated Study Cost

Cost **\$100,000** Potential funding source(s) **TBD**

# Flood Management Evaluation (FME) STUDY

## Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

REGION 10

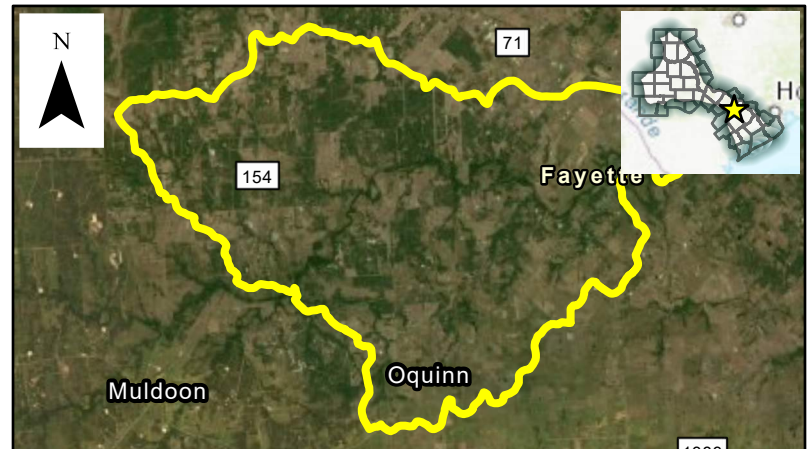
Title **Frisch Auf Buyout** ID# **101000119**  
Sponsor (name of entity) **Fayette (County)** Commitment  Yes  No  
Technical committee recommend  Yes  No RFPG recommend  Yes  No

### Study Type

Emergency preparedness  Floodplain modeling, mapping and risk assessment  Feasibility study  Preliminary project engineering  
 Other

### Problem Area

City **N/A** County **Fayette**  
Watershed **Lower Buckners Creek**  
name(s)  
Tributary(ies) **Unnamed Tributary**  
HUC# **12090301,12100102** Stream miles (est.) **TBD**  
Drainage area: square miles, est. **54.14** or acreage, est. **34,649**  
Social vulnerability index **0.11**  
*(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)*  
Other **Voluntary buyout**



### Flood Risk Description

There are multiple flood prone properties that are within the 100-year floodplain may be subject to repetitive loss.

Population at risk **92** Structures at risk **91** Critical facilities at risk **0**  
Farm/Ranch land impacted (acres) **5,823** Roadway(s) impacted (miles) **4.00**

### Scope of Study

Study will include hydrologic and hydraulic modeling (with Atlas 14) to identify/verify eligible property owners and if the properties should be elevated or removed.

### Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation.

### Estimated Study Cost

Cost **\$100,000** Potential funding source(s) **TBD**

# Flood Management Evaluation (FME) STUDY

## Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

Title  ID#   
Sponsor (name of entity)  Commitment  Yes  No  
Technical committee recommend  Yes  No RFPG recommend  Yes  No

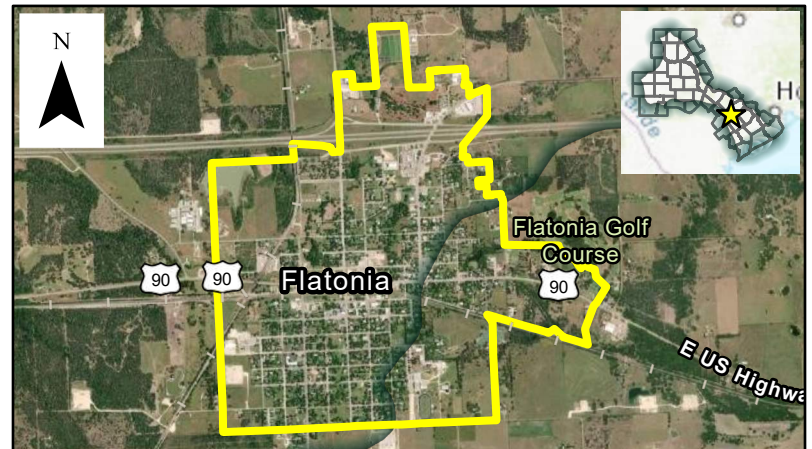
REGION 10

### Study Type

Emergency preparedness  Floodplain modeling, mapping and risk assessment  Feasibility study  Preliminary project engineering  
 Other

### Problem Area

City  County   
Watershed   
name(s)   
Tributary(ies)   
HUC#  Stream miles (est.)   
Drainage area: square miles, est.  or acreage, est.   
Social vulnerability index   
*(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)*  
Other



### Flood Risk Description

The wastewater treatment plant experiences flooding during low frequency rain events. The Sponsor has identified the need to floodproof the existing wastewater treatment plant. Study results will provide a more detailed assessment of existing flood and potential flood risk. Study will determine if flood proofing will provide mitigation required or if structural mitigation will be required.

Population at risk  Structures at risk  Critical facilities at risk   
Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

### Scope of Study

If structural flood mitigation, other than flood proofing, is required then the study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

### Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

### Estimated Study Cost

Cost  Potential funding source(s)



# Flood Management Evaluation (FME) STUDY

## Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

REGION 10

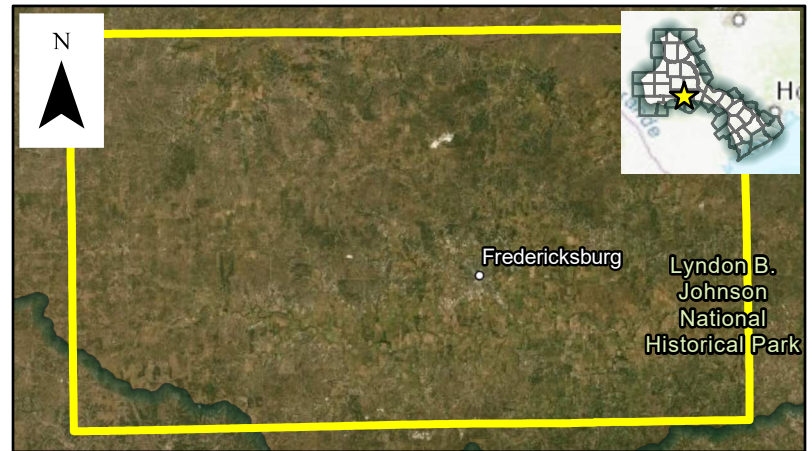
Title  ID#   
Sponsor (name of entity)  Commitment  Yes  No  
Technical committee recommend  Yes  No RFPG recommend  Yes  No

### Study Type

Emergency preparedness  Floodplain modeling, mapping and risk assessment  Feasibility study  Preliminary project engineering  
 Other

### Problem Area

City  County   
Watershed   
name(s)   
Tributary(ies)   
HUC#  Stream miles (est.)   
Drainage area: square miles, est.  or acreage, est.   
Social vulnerability index   
*(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)*  
Other



### Flood Risk Description

The existing 4 crossings are undersized and overtop. The proposed improvements include replacing the low water crossing with bridges. Study results will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

Population at risk  Structures at risk  Critical facilities at risk   
Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

### Scope of Study

Conduct a study to evaluate the area. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

### Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

### Estimated Study Cost

Cost  Potential funding source(s)



# Flood Management Evaluation (FME) STUDY

## Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

Title  ID#   
Sponsor (name of entity)  Commitment  Yes  No  
Technical committee recommend  Yes  No RFPG recommend  Yes  No

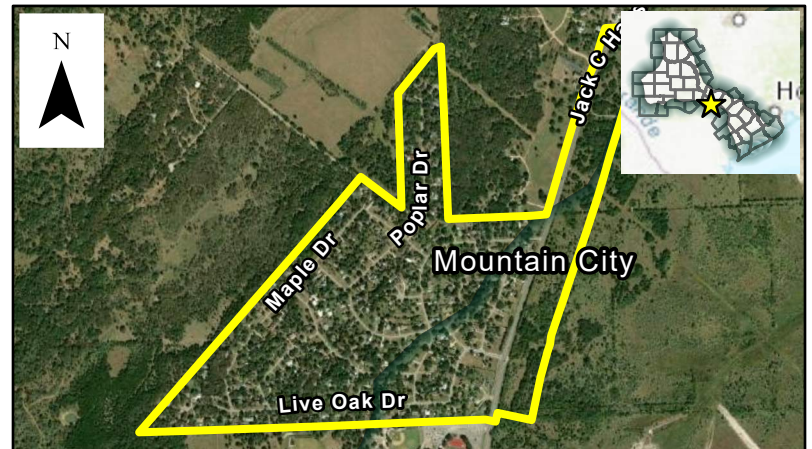
REGION 10

### Study Type

Emergency preparedness  Floodplain modeling, mapping and risk assessment  Feasibility study  Preliminary project engineering  
 Other

### Problem Area

City  County   
Watershed   
name(s)   
Tributary(ies)   
HUC#  Stream miles (est.)   
Drainage area: square miles, est.  or acreage, est.   
Social vulnerability index   
*(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)*  
Other



### Flood Risk Description

The Sponsor's evacuation plan(s) are out of date and need to be updated to assist with emergency coordination during a flood event.

Population at risk  Structures at risk  Critical facilities at risk   
Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

### Scope of Study

Coordinate with agencies and local governments as necessary to develop/update the evacuation plan.

### Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger.

### Estimated Study Cost

Cost  Potential funding source(s)

# Flood Management Evaluation (FME) STUDY

## Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

REGION 10

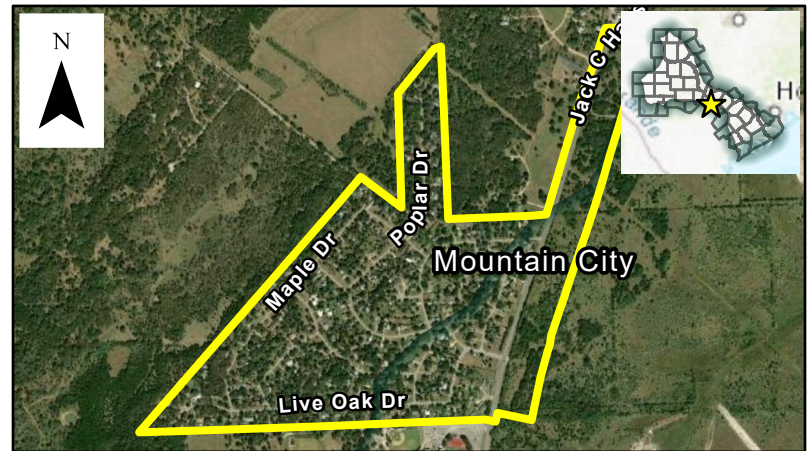
Title  ID#   
Sponsor (name of entity)  Commitment  Yes  No  
Technical committee recommend  Yes  No RFPG recommend  Yes  No

### Study Type

Emergency preparedness  Floodplain modeling, mapping and risk assessment  Feasibility study  Preliminary project engineering  
 Other

### Problem Area

City  County   
Watershed   
name(s)   
Tributary(ies)   
HUC#  Stream miles (est.)   
Drainage area: square miles, est.  or acreage, est.   
Social vulnerability index   
*(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)*  
Other



### Flood Risk Description

The project area is adjacent to the 100-year floodplain and contains multiple repetitive loss structures. The Sponsor has identified the need to flood proof repetitive loss structures (unspecified number and type) to prevent additional/future flood loss.

Population at risk  Structures at risk  Critical facilities at risk   
Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

### Scope of Study

Study will develop project costs and repetitive loss structures. The study will provide a more detailed assessment of existing flood and potential flood risk reduction that will be used to evaluate projects for future planning cycles.

### Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation.

### Estimated Study Cost

Cost  Potential funding source(s)

# Flood Management Evaluation (FME) STUDY

## Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

REGION 10

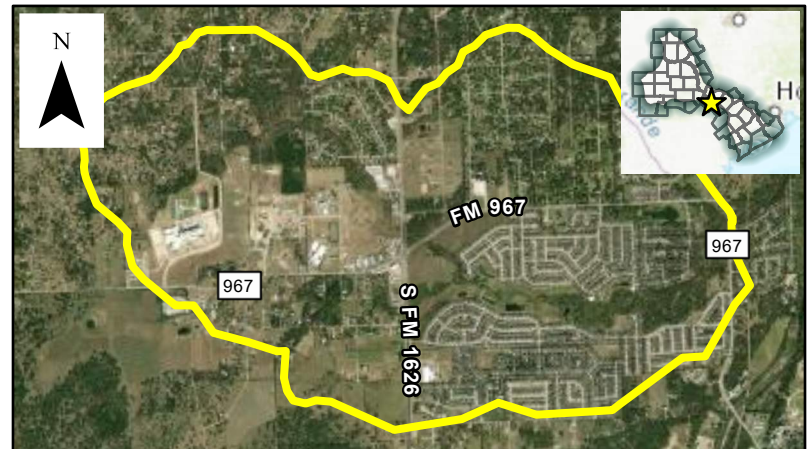
Title  ID#   
Sponsor (name of entity)  Commitment  Yes  No  
Technical committee recommend  Yes  No RFPG recommend  Yes  No

### Study Type

Emergency preparedness  Floodplain modeling, mapping and risk assessment  Feasibility study  Preliminary project engineering  
 Other

### Problem Area

City  County   
Watershed   
name(s)   
Tributary(ies)   
HUC#  Stream miles (est.)   
Drainage area: square miles, est.  or acreage, est.   
Social vulnerability index   
*(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)*  
Other



### Flood Risk Description

The existing culvert on RM967 near Garlic Creek is undersized and the roadway overtops. The existing box culvert was not upgraded when the road was reconstructed. The study will evaluate the crossing for possible upsizing of the culvert. The existing road is a 2-lane road with an average daily traffic count of 17,400. The existing risk indicators are based on available data and will be better defined as part of the study. Study results will include detailed assessments of existing flood risk and potential flood risk reduction to be used in evaluating projects for future funding cycles.

Population at risk  Structures at risk  Critical facilities at risk   
Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

### Scope of Study

Conduct a study to evaluate upsizing the existing culvert crossings. Study will include hydrologic and hydraulic modeling (with Atlas 14 rainfall), preliminary design of improvements, risk reduction analysis, verification of no adverse impacts, preparation of cost estimates and a benefit-cost-analysis, and an evaluation of potential constraints (environmental, utility conflicts, right-of-way needs, and constructability).

### Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

### Estimated Study Cost

Cost  Potential funding source(s)

# Flood Management Evaluation (FME) STUDY

## Lower Colorado-Lavaca REGIONAL FLOOD PLANNING GROUP

REGION 10

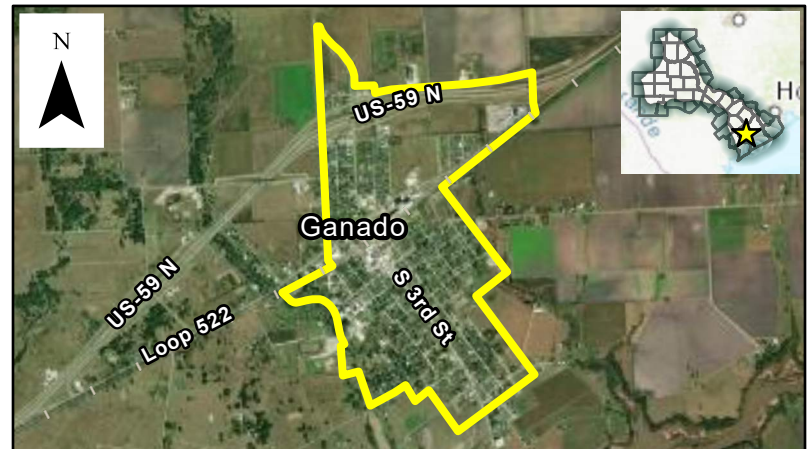
Title  ID#   
Sponsor (name of entity)  Commitment  Yes  No  
Technical committee recommend  Yes  No RFPG recommend  Yes  No

### Study Type

Emergency preparedness  Floodplain modeling, mapping and risk assessment  Feasibility study  Preliminary project engineering  
 Other

### Problem Area

City  County   
Watershed   
name(s)   
Tributary(ies)   
HUC#  Stream miles (est.)   
Drainage area: square miles, est.  or acreage, est.   
Social vulnerability index   
*(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)*  
Other



### Flood Risk Description

The current facility is located within the 100-year floodplain. The study will investigate possible sites and cost for relocation and may include the need to extend floodplain models upstream to verify the new location is outside the floodplain.

Population at risk  Structures at risk  Critical facilities at risk   
Farm/Ranch land impacted (acres)  Roadway(s) impacted (miles)

### Scope of Study

The study will include hydrologic and hydraulic modeling (with Atlas 14) to identify/verify the most appropriate location for this development.

### Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation.

### Estimated Study Cost

Cost  Potential funding source(s)